

VERSION WITH MARKINGS TO SHOW CHANGES MADE TO SPECIFICATION

ABSTRACT

Printing on a printing medium with ink and treatment liquid having a function of setting ink, by using an apparatus which includes an ink ejection port for ejecting ink, a treatment liquid ejection port for ejecting treatment liquid, a waste liquid accommodating substance for accommodating waste liquid, a first introducing path [means] for introducing waste ink discharged by recovery operation from the ink ejection port into a first portion of the waste liquid accommodating substance, and a second introducing path [means] for introducing, independently of waste ink, waste treatment liquid discharged by recovery operation from the treatment liquid ejection port into a second portion separated from the first portion of the waste liquid accommodating substance.

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12. (Amended) An ink jet apparatus as claimed in Claim [any one of Claims] 8 [to 11], further comprising an ink jet head which includes, as an energy generating element, an electrothermal transducer for generating thermal energy so as to allow a phenomenon of film boiling to appear in ink.